Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-19. (Canceled)

20. (Previously Presented) An optical receiving apparatus, comprising:

a photodetector for converting an optical signal input from an optical transmission line to an electrical signal;

a clock extractor for extracting a clock from the electrical signal;

a threshold controller programmed with information about clock amplitude versus threshold characteristics for determining a signal receiving discrimination threshold by collating an amplitude of the extracted clock from the clock extractor with the clock amplitude versus threshold characteristics; and

a discriminator for discriminating the electrical signal according to the signal receiving discrimination threshold determined by the threshold controller.

21. (Canceled)

22. (Previously Presented) The optical receiving apparatus of claim 20, further comprising a signal brancher for branching the electrical signal from the photodetector to a

first electrical signal component and a second electrical signal component.

23. (Original) The optical receiving apparatus of claim 22, wherein the signal brancher simultaneously applies the electrical signal from the photodetector to the discriminator and the clock extractor.

24. (Original) The optical receiving apparatus of claim 22, wherein the signal brancher selectively applies the electrical signal from the photodetector to the discriminator and the clock extractor.

25. (Currently Amended) A method for optical reception, comprising:

converting an optical signal input from an optical transmission line to an electrical signal;

extracting a clock from the electrical signal;

storing information about clock amplitude versus threshold characteristics;

determining a signal receiving discrimination threshold according to an amplitude of the clock by collating an amplitude of the extracted clock with clock amplitude versus threshold characteristics; and

discriminating the electrical signal according to the determined signal receiving discrimination threshold.

26. (Canceled)